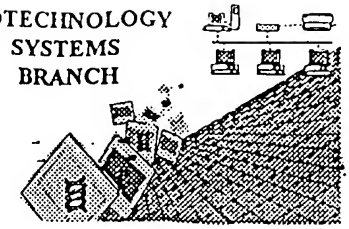
OP

BIOTECHNOLOGY SYSTEMS BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/662,261
Source: OPE
Date Processed by STIC: 9-24-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
   Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003

Raw Sequence Listing Error Summary

ERROR DETECTED | **SUGGESTED CORRECTION** | **SERIAL NUMBER:** 10/662,261

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1____Wrapped Nucleics
Wrapped Aminos
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2____Invalid Line Length
The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3____Misaligned Amino Numbering
The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

4____Non-ASCII
The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

5____Variable Length
Sequence(s)____contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6____PatentIn 2.0 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7____Skipped Sequences (OLD RULES)
Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8____Skipped Sequences (NEW RULES)
Sequence(s) _____ missing. If **intentional**, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000

9____Use of n's or Xaa's (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

10__X__Invalid <213> Response
Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

11____Use of <220>
Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12____PatentIn 2.0 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13____Misuse of n/Xaa
"n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid

OIPE

RAW SEQUENCE LISTING DATE: 09/24/2003
PATENT APPLICATION: **US/10/662,261** TIME: 17:07:42

Input Set : **E:\100051.101.ST25.txt**
Output Set: **N:\CRF4\09242003\J662261.raw**

```
      3 <110> APPLICANT: Noreen, Hickok J.
      4       Eric, Wickstrom
      6 <120> TITLE OF INVENTION: ADVANCED BIOMATERIALS AND METHODS OF ATTACHING THERAPEUTIC
AGENTS
      7       THERETO
      9 <130> FILE REFERENCE: 100051.101
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/662,261
     12 <141> CURRENT FILING DATE: 2003-09-15
     14 <160> NUMBER OF SEQ ID NOS: 6
     16 <170> SOFTWARE: PatentIn version 3.2
     18 <210> SEQ ID NO: 1
     19 <211> LENGTH: 3
     20 <212> TYPE: PRT
     21 <213> ORGANISM: Bonded to an organosilane
     23 <400> SEQUENCE: 1
     25 Arg Gly Asp
     26 1
     29 <210> SEQ ID NO: 2
     30 <211> LENGTH: 4
     31 <212> TYPE: PRT
     32 <213> ORGANISM: Bonded to an organosilane
     34 <400> SEQUENCE: 2
     36 Arg Gly Asp Ser
     37 1
     40 <210> SEQ ID NO: 3
     41 <211> LENGTH: 4
     42 <212> TYPE: PRT
     43 <213> ORGANISM: Bonded to an organosilane
     45 <400> SEQUENCE: 3
     47 Arg Gly Glu Ser
     48 1
     51 <210> SEQ ID NO: 4
     52 <211> LENGTH: 4
     53 <212> TYPE: PRT
     54 <213> ORGANISM: Bonded to an organosilane
     56 <400> SEQUENCE: 4
     58 Asp Gly Glu Ala
     59 1
     62 <210> SEQ ID NO: 5
     63 <211> LENGTH: 4
     64 <212> TYPE: PRT
     65 <213> ORGANISM: Bonded to an organosilane
     67 <400> SEQUENCE: 5
     69 Glu Gly Glu Ala
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Does Not Comply
Corrected Diskette Needed

See item 10 on error summary report.

RAW SEQUENCE LISTING DATE: 09/24/2003
PATENT APPLICATION: **US/10/662,261** TIME: 17:07:42

Input Set : **E:\100051.101.ST25.txt**
Output Set: **N:\CRF4\09242003\J662261.raw**

70 1
73 <210> SEQ ID NO: 6
74 <211> LENGTH: 30
75 <212> TYPE: PRT
76 <213> ORGANISM: Bonded to an organosilane
78 <400> SEQUENCE: 6
80 Pro Gly Val Asp Tyr Thr Ile Thr Val Tyr Ala Val Thr Gly Arg Gly
81 1 5 10 15
84 Asp Ser Pro Ala Ser Ser Lys Pro Val Ser Ile Asn Tyr Arg
85 20 25 30

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/662,261**

DATE: 09/24/2003
TIME: 17:07:43

Input Set : **E:\100051.101.ST25.txt**
Output Set: **N:\CRF4\09242003\J662261.raw**

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number